

## ABSTRACT OF THE DISCLOSURE

5           A digitally trimmed current source. The novel current source includes a first  
circuit for generating a current in response to an applied voltage and a resistance  
variable in response to a control signal, and a second circuit for supplying the control  
signal. The first circuit includes a resistive network comprised of a plurality of  
resistors; a plurality of switches, each switch coupled to one of the resistors and  
10 adapted to selectively switch the resistor in and out of the resistive network in  
response to the control signal; and a transistor adapted to apply a voltage across the  
resistive network to generate a current.